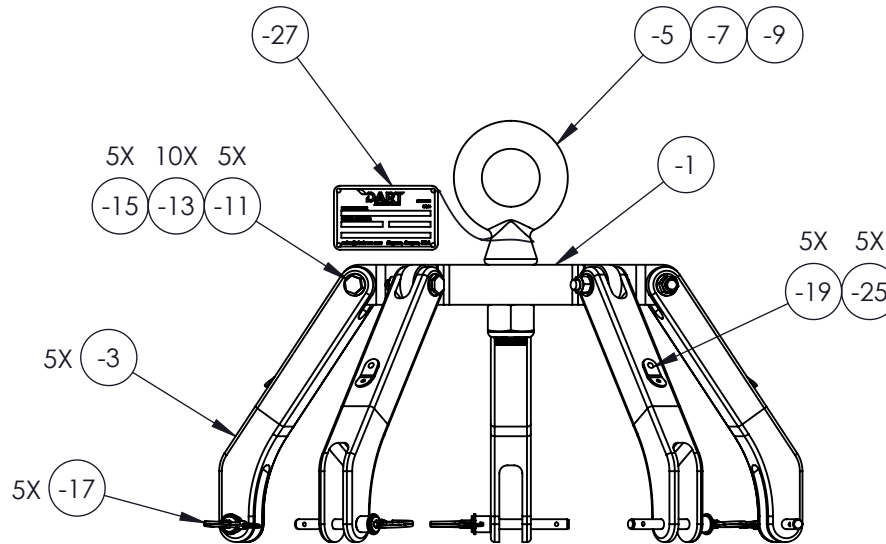


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1	14-0139	-3 CH'D DIMENSION WAS 4X R.19 IS 4X R.25.	8/20/2014	DJN	DW
2	15-0042	CH'D NOTE 1 WAS EYEBOLT IS EYEBOLT NECK. -1 CH'D DIMS WAS .70 IS 1.00, WAS 4.15 IS 4.26, WAS R.25 IS R.03, WAS R2.50 IS R2.38	2/13/2015	PMW	JAG



NOTE:

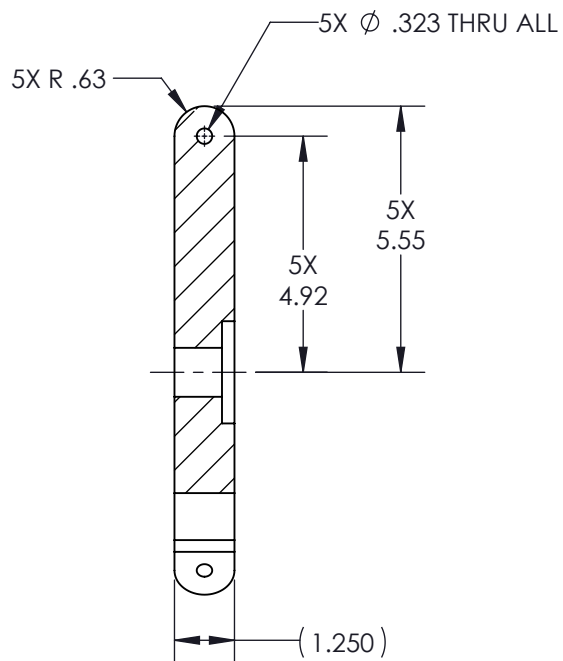
1. ATTACH PLACARD TO EYEBOLT NECK USING SHORT LANYARD AND FERRULES.
2. ATTACH 5 QUICK RELEASE PINS TO FINGERS USING LANYARDS, DRIVE SCREWS, CABLE TABS, AND FERRULES.

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-1	1	YOKE	6061	1-1/4 X 11.38 X 11.38	2
			-3	5	FINGER	6061	1-1/4 X 9-5/8 X 2-1/4	3
		B/O	-5	1	EYE BOLT	ZINC PLATED STEEL	1-14 X EYE Ø1-13/16 MCMaster-CARR#3014T139	1
		B/O	-7	1	WASHER	STEEL	ID 1-1/16 X OD 2 MCMaster-CARR# 98025A038	1
		B/O	-9	1	NYLON INSERT HEX NUT	STEEL	1-14 MCMaster-CARR# 97135A059	1
		B/O	-11	5	HEX HEAD BOLT	STEEL	AN5-16A AIRCRAFT SPRUCE	1
		B/O	-13	10	WASHER	STEEL	5/16 MCMaster-CARR# 90126A030	1
		B/O	-15	5	NYLON INSERT HEX NUT	STEEL	5/16-24 MCMaster-CARR# 97135A225	1
		B/O	-17	5	QUICK RELEASE PIN	S.S.	Ø5/16 X 2 MCMaster-CARR# 94505A548	1
		B/O	-19	5	DRIVE SCREW	S.S.	#2 X 1/4 MCMaster-CARR# 91654A077	1
		B/O	-21	6	LANYARD	COATED STEEL	Ø1/16 X 8 CARR LANE #CL2C	NS
		B/O	-23	12	FERRULE	ALUMINUM	Ø1/16 X 3/8 MCMaster-CARR #3896T31	NS
		B/O	-25	5	CABLE TAB	ALUMINUM	CARR LANE # CL-.129-TABR-2-A	1
		B/O	-27	1	DART PLACARD	ALUMINUM	RED BARN #RB41011	1,4

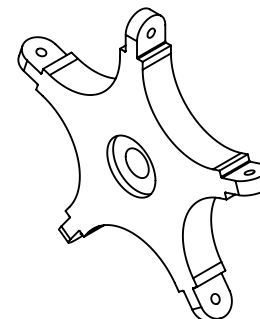
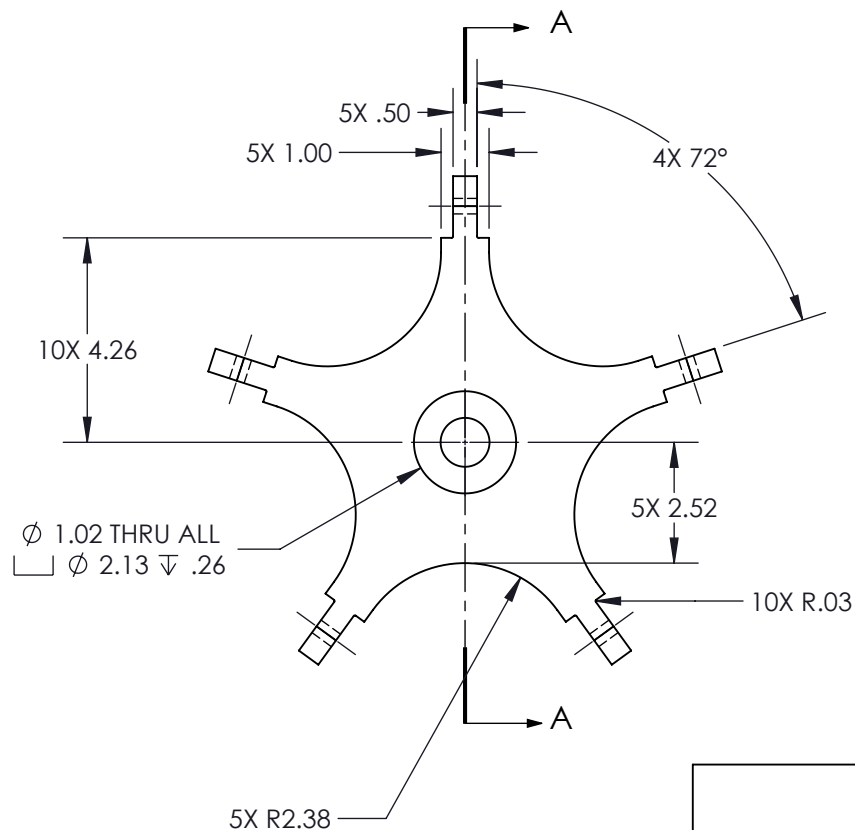
		TITLE	
		SLING, MAIN ROTOR HEAD	
DWG NO.		RBT18616	
REV		2	
MAT'L		DRAWN BY: WALLRICH	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		APPROVED <i>D Weil</i>	
.XXX ± .005		HEAT	
.XX ± .01		TREAT	
.X ± .1		FINISH	
ANGLES ± 5°		SPEC	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R		USED ON MODEL	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		MD 900	
SCALE	1:6	DATE	6/26/2014
		SHEET 1 OF 5	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	15-0042	CH'D DIMS WAS .70 IS 1.00, WAS 4.15 IS 4.26, WAS R.25 IS R.03, WAS R2.50 IS R2.38	2/13/2015	PMW	JAG



SECTION A-A



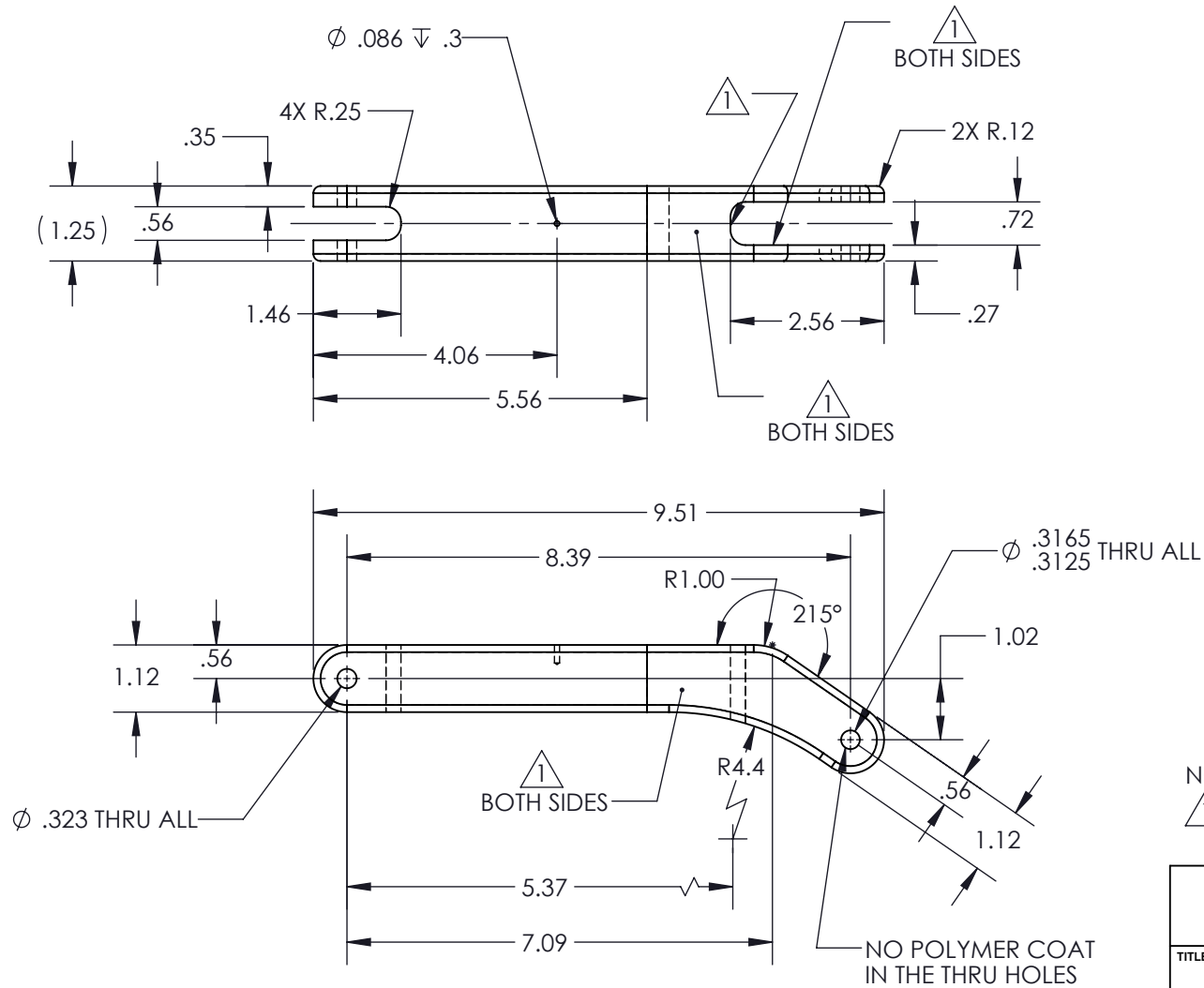
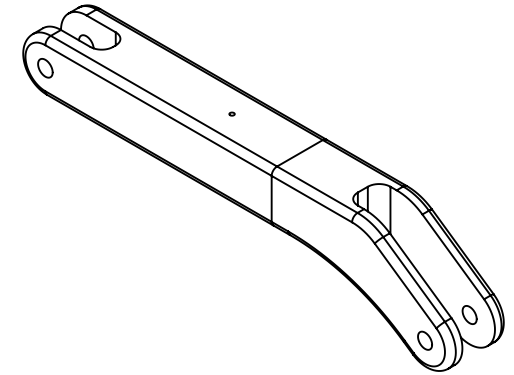
(-1)

YOKE

DART AEROSPACE	
TITLE SLING, MAIN ROTOR HEAD	
DWG NO. RBT18616-1	REV 2
MAT'L 6061	DRAWN BY: WALLRICH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005 .XX ± .01 .X ± .1	HEAT TREAT FINISH CLEAR ANODIZE
FRACTIONS ± 1/32 ANGLES ± 5°	SPEC MIL-A-8625F, TYPE II, CLASS I
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	MD 900
SCALE 1:4	DATE 6/26/2014
SHEET 2 OF 5	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1	14-0139	-3 CH'D DIMENSION WAS 4X R.19 IS 4X R.25.	8/20/2014	DJN	DW



NOTE:

1 AFTER ANODIZING, COAT WITH POLYMER (TRUCK BED LINER) MAX THICKNESS .030




TITLE SLING, MAIN ROTOR HEAD		
DWG NO. RBT18616-3	REV 2	
MAT'L 6061	DRAWN BY: WALLRICH	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>	
.XXX ± .005	HEAT TREAT	
.XX ± .01	FINISH	
.X ± .1	CLEAR ANODIZE	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC MIL-A-8625F, TYPE II, CLASS I	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL MD 900	
SCALE 1:3	DATE 6/26/2014	SHEET 3 OF 5

(-3)
FINGER

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
APPROVED				

SWL 7700LBS (3500 KG)



CAGE CODE

3AL64

PART NUMBER


SERIAL NUMBER

sales@dartaero.com

Eugene, Oregon, USA

-27

DART PLACARD



TITLE

DART PLACARD

DWG NO.

RBT18616-27

REV

2

MAT'L ALUMINUM

DRAWN BY: SMITH

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES

APPROVED *D Weil*

.XXX ± .005 FRACTIONS ± 1/32

HEAT

.XX ± .01 ANGLES ± .5°

TREAT

.X ± .1

FINISH

1. BREAK ALL SHARP EDGES .015 x 45°
OR .015R

SPEC

2. DIMENSIONAL LIMITS APPLY AFTER
PLATING

USED ON MODEL

SCALE 1:8

DATE 12/26/2013

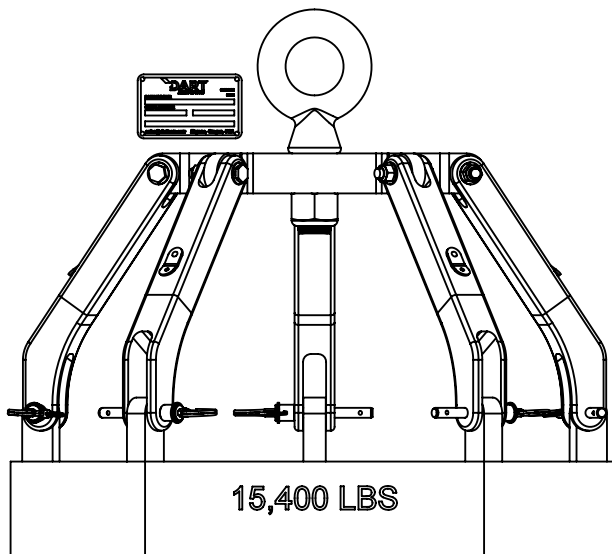
SHEET 4 OF 5

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED

DART AEROSPACE
190 S. DANEBO AVE., EUGENE OR. 97402
(541)344-9953; fax (541)344-3863
e-mail; sales@dartaero.com

FIRST ARTICLE WEIGHT TEST



INSPECTION & TESTING PROCEDURES FOR THE RBT18616, SLING, MAIN ROTOR HEAD. THIS ASSEMBLY IS DESIGNED EXCLUSIVELY FOR HOISTING AND INSTALLING/REMOVING THE MAIN ROTOR HEAD. THIS ASSEMBLY SHOULD BE INSPECTED BEFORE EACH USE. REPLACE ANY ITEMS THAT ARE DAMAGED OR SUSPECTED OF DAMAGE BEFORE USING!

FIRST ARTICLE WEIGHT TEST

1. AFTER INSPECTION, PLACE SLING ASSEMBLY ON A OVERHEAD LIFTING DEVICE. ATTACH 5 CONNECTOR FINGERS TO AN APPROPRIATE TEST WEIGHT OF 15400 LBS, USE BALL LOCK PINS TO LOCK INTO FIXTURE.
2. LIFT WEIGHT FOR AT LEAST 5 MINUTES, CONTINUALLY CHECKING FOR CRACKS, DEFLECTION, OR DISTORTION.
3. REMOVE WEIGHT AND RE-INSPECT SLING, CHECKING FOR STRESS CRACKS, BENDING, OR DISTORTIONS.

INSPECTOR: _____

TESTER: _____

S.N.: _____

DATE: _____



190 S. Danebo Ave., Eugene, OR. 97402
1-800-556-4166
e-mail: sales@dartaero.com
dartaerospace.com

TITLE SLING, MAIN ROTOR HEAD				
DWG NO.	RBT18616	REV	2	CUSTOMER 1 OF 1
SCALE	1:6	DATE	6/26/2014	SHEET 5 OF 5